

Abstract of the Disclosure

A connector system for use with first and second wire harnesses and including a male housing sub-assembly and an engageable and female housing sub-assembly which defines an open interior therebetween. First and second pluralities of terminal pins are associated with each of the male and female sub-assemblies, individual wires associated with each of the first and second wire harnesses extending to selected ones of the first and second pluralities of terminal pins. Each of the male and female sub-assemblies further include any plurality of individual and stackable terminal retaining layers, and to which subset pluralities of the pins are secured. The stackable pin retaining layers provide the ability to adapt the capabilities of the connector system to allow for unique wire harness subsystems to be quickly assembled and to minimize unwanted “giveaway” of excess capacity in a base connector assembly.